XXXIX.—*Description of a new Saurian* (Hyalosaurus) *allied to* Pseudopus. By Dr. ALBERT GÜNTHER.

A FEW days ago, when looking with Professor Kölliker at some animals in Mr. Jamrach's establishment, two living reptiles (a *Zamenis hippocrepis* and what appeared to be a young *Pseudopus*) were offered for sale by a man who stated that he had just obtained them from a ship coming from North Africa.

On a closer inspection I found the lizard to be distinct from, though closely allied to, *Pseudopus.* The absence of an ear-opening being generally considered a generic character, I propose for this new type the name of

HYALOSAURUS.

Differs from *Pseudopus* in having the region of the ear entirely covered with scales, without a trace of an external ear-opening.

Hyalosaurus Kœllikeri.

The shields on the head differ little from those of *Pseudopus*; but the vertical shield forms a broad suture with the posterior frontal, which occupies the entire width of the forehead, and a still broader one with the central occipital shield, which is of an unusually large size and subtriangular in shape. Dorsal scales in fourteen longitudinal series, of which the six middle ones are obtusely keeled, the keels being more prominent on the tail ; ventral scales in ten series. Rudimentary hind limbs undivided, movable, very distinct. Brownish, with a row of black specks along the middle of the back of the anterior part of the trunk ; sides of a darker colour ; abdomen greenish white.

The length of the trunk of the single example is 5 inches ; a considerable portion of the tail is lost, the remaining piece being about as long as the body.

XL.—*Points of Distinction between the Spongiadæ and the Foraminifera.* By H. J. CARTER, F.R.S. &c.

HAVING preliminarily described and sketched most of the sponges in the British Museum, and having examined *all* microscopically, in the general as well as in the private collections of that institution, for the purpose (as desired by Dr. Gray) of finally placing them in some kind of order, and